

**ABSTRACT**

A medical data processing system that enables individual implanted medical device (IMD) programming units to securely access information networks that are susceptible to carrying data contaminants. In an example embodiment, a computer-implemented method for exchanging data with a plurality of implanted medical device (IMD) programming units, via a server arrangement that is coupled to a network, includes the step of establishing communication connections between the server arrangement and the plurality of IMD programming units. In response to receiving data at the server arrangement and destined for the IMD programming units, further including the step of identifying data contaminants in the received data and intercepting data containing data contaminants before the data reach the IMD programming units.

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